

FIG. 1: SYSTEM ARCHITECTURE

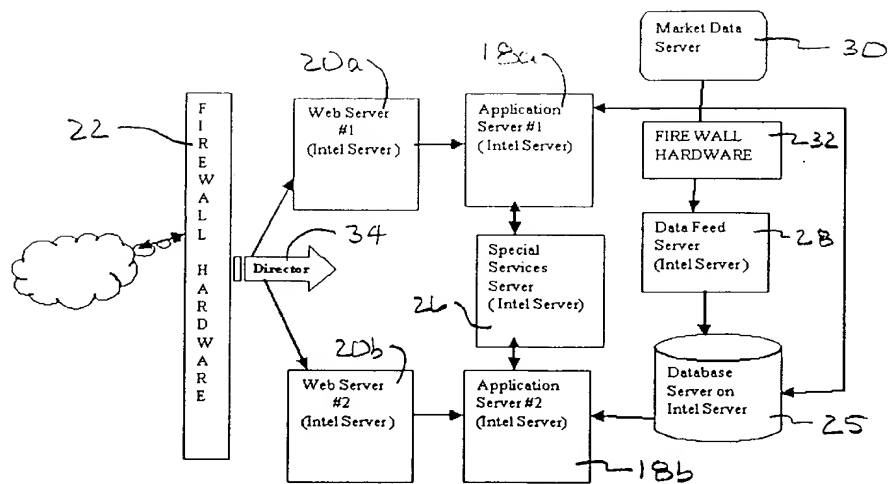


Fig. 2: Physical Deployment of System - Web Farm

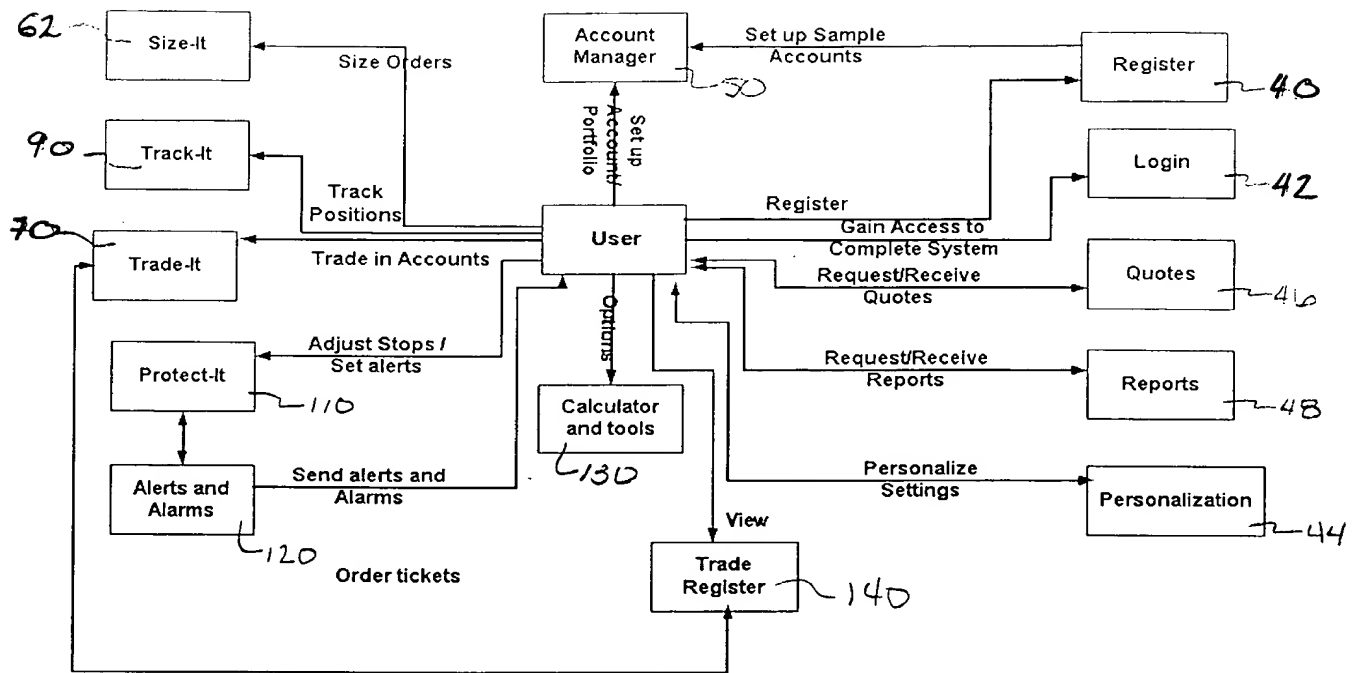


Fig. 3: System Packages

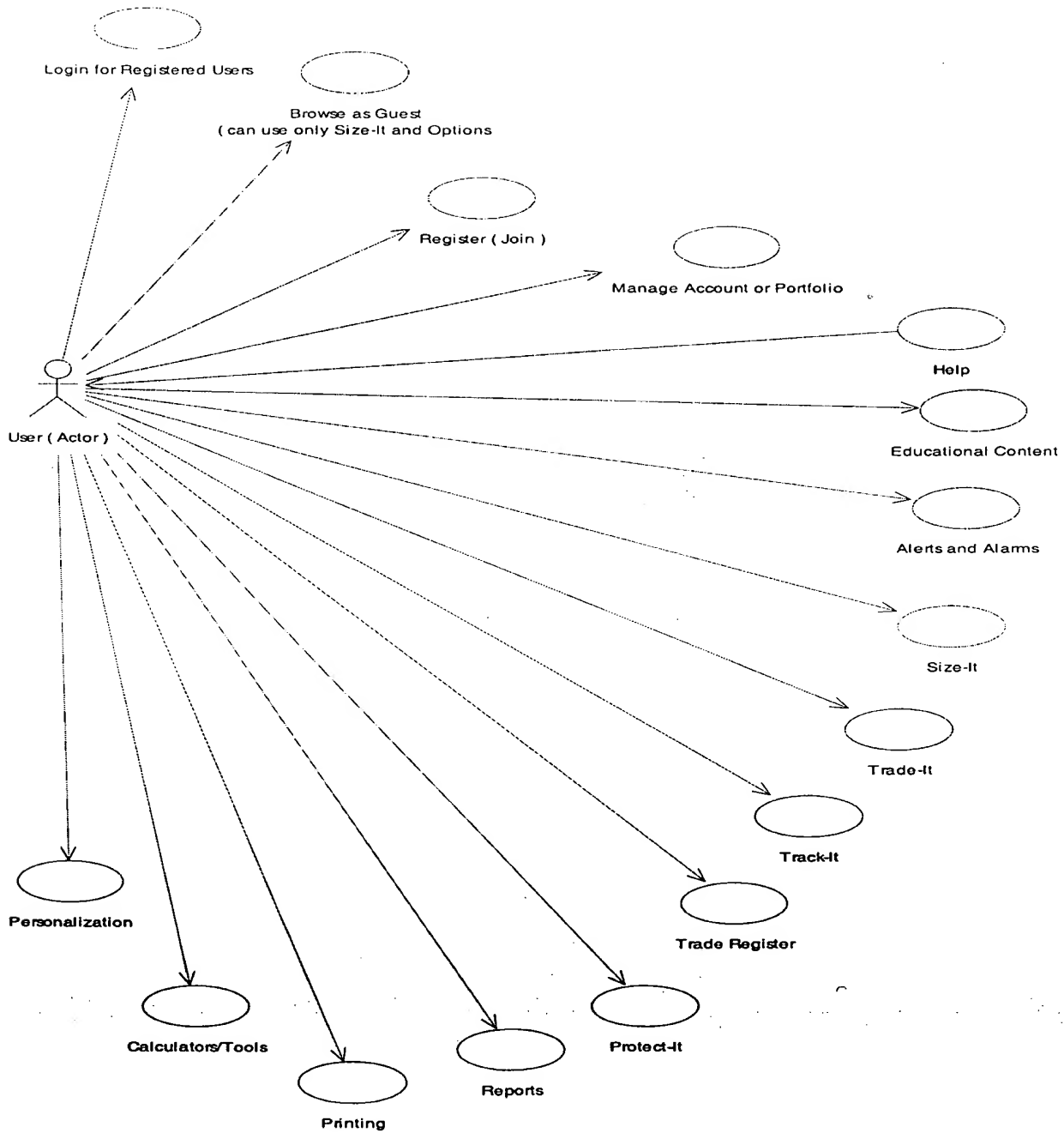


Fig. 4 : Services for the user level

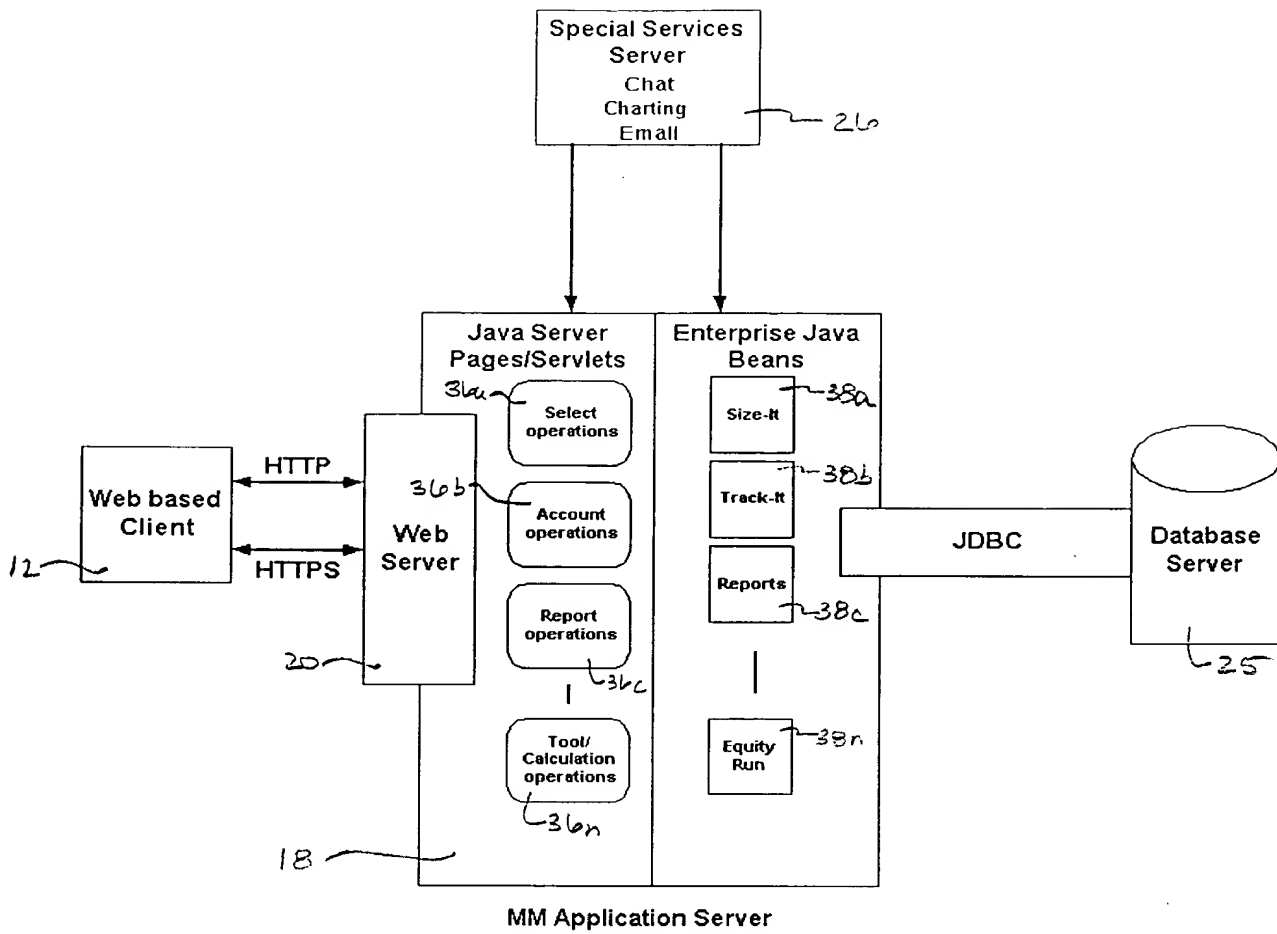


Fig. 5: Logical Deployment of System

Figure 6

User Welcome - MCI WorldCom Internet

File Edit View Favorites Tools Help

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MoneyMaximizer®

Seatbelts for Investors

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Size-It | Trade-It | Track-It | Protect-It | Risk Report | Trade Register | Calculators

RiskReport Alerts Quote

Equity: 49990.3984 R to E %: 3.04

Planned Risk: 1518.66 Cash: 43286.65

Risk-Adj Equity: 48481.34 Buying Power: 8657.40

[Click for more detailed Risk Report](#)

People may tell you what and when to buy. Who tells you how much to buy, or when to sell? Capital preservation and determining how much to buy and when to sell have as much impact as choice and timing.

Size-It® is where the process of money management and risk assessment begins. **MoneyMaximizer®** helps you to determine how many stock shares, mutual fund shares, futures contracts and option contracts to buy or sell.

MoneyMaximizer's® also provides a **Derivatives Calculator** so you can quickly evaluate the market price of an option, future, or index contract before investing.

Size-It® will automatically link you to **Trade-It®**, **Track-It®** and **Protect-It®**.

For additional information at anytime, feel free to click the help button found on each page. **MoneyMaximizer's** full description and help will make your journey through the process of money management and risk assessment easier.

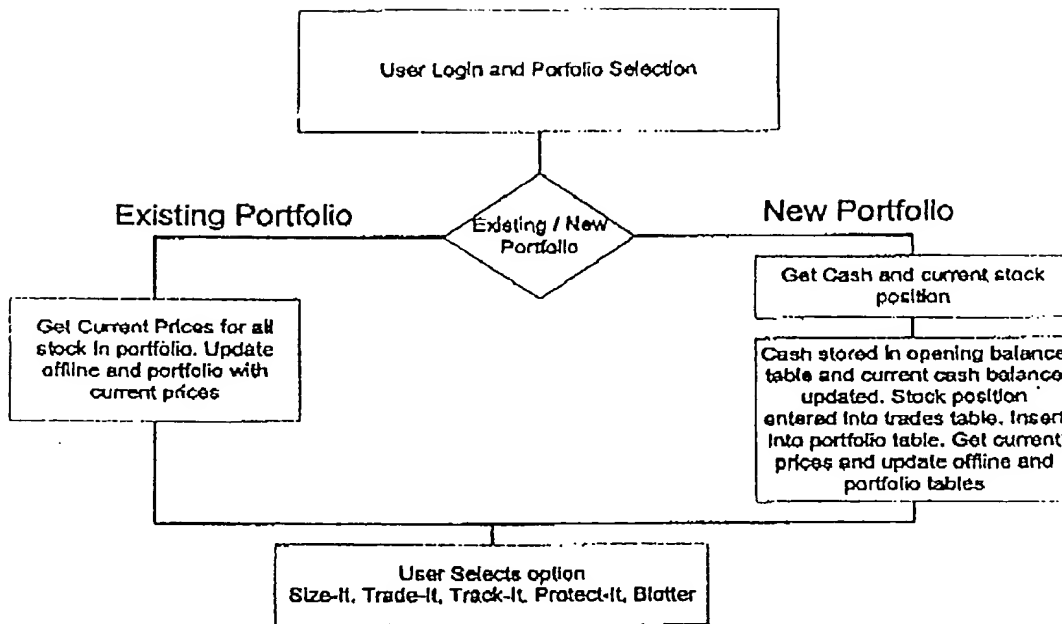


FIG 7

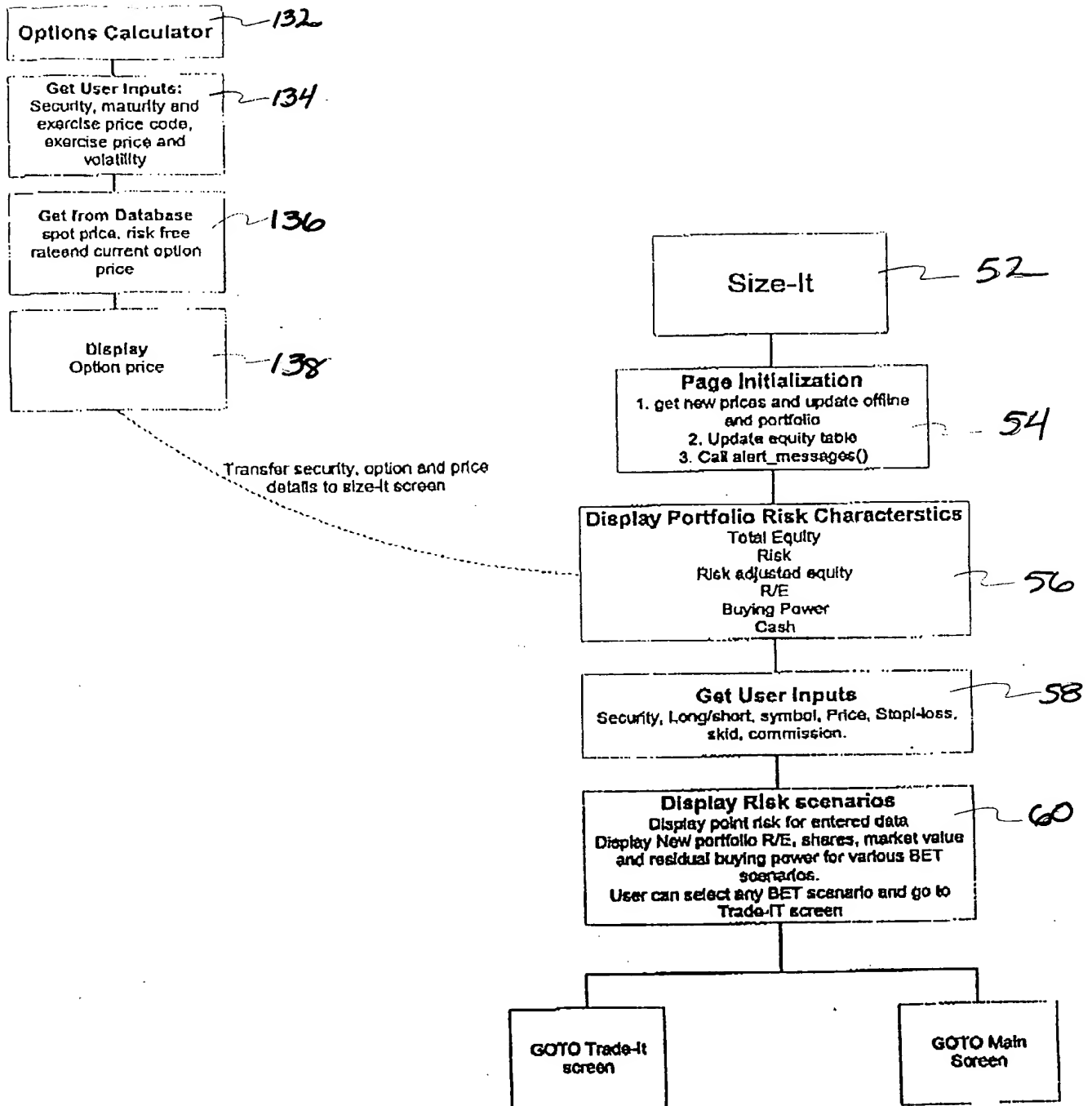


FIG. 8

Figure 9

Sizing your Order - testing

Size-It™

Security: **Stock/MF**

Sizing: **Long**

Symbol: **IBM**

Price: **108.500000**

Stop: **90.000000**

Skid: **1.000**

Commission: **0.181**

Point Risk: **19.681000**

Equity Planned: **\$61,970.05**

Risk: **1.43%**

Risk to Position: **0.00%**

Buying Power: **\$112,875.00**

Cash: **\$50,000.00**

IBM International Business Machines

New R/E	Size	Risk	Shares	Market Value	Buy Power
4.18%	2.75%		87	\$9,439	103,435
4.43%	3.00%		94	\$10,199	102,676
4.68%	3.25%		102	\$11,067	101,808
4.93%	3.50%		110	\$11,935	100,940
5.18%	3.75%		118	\$12,803	100,072
5.43%	4.00%		126	\$13,671	99,204
5.68%	4.25%		134	\$14,539	98,336
5.93%	4.50%		142	\$15,407	97,468
6.18%	4.75%		150	\$16,275	96,600
6.43%	5.00%		157	\$17,034	95,840
7.43%	6.00%		189	\$20,506	92,368
8.43%	7.00%		220	\$23,870	89,005
9.43%	8.00%		252	\$27,342	85,533
10.43%	9.00%		283	\$30,705	82,169
11.43%	10.00%		315	\$34,177	78,697
13.93%	12.50%		394	\$42,749	70,126
16.43%	15.00%		472	\$51,212	61,663
18.93%	17.50%		551	\$59,783	53,091
21.43%	20.00%		630	\$68,355	44,520

Print **Clear**

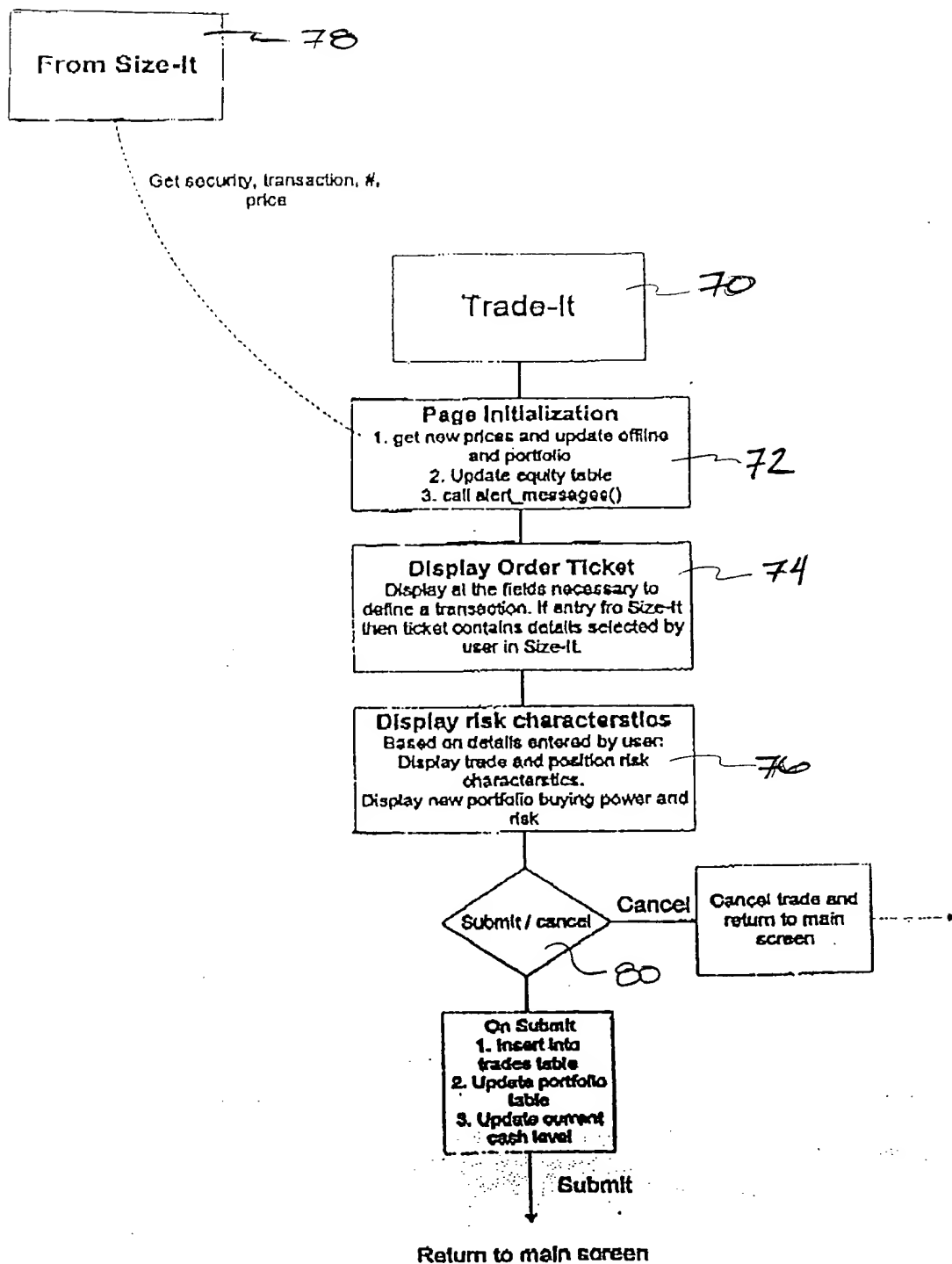


FIG. 10

Figure 11

Order Ticket - testing

Trade-It™
Order Ticket

Trade Date: 06/04/2000 Time: 22:58
Settle Date: 06/07/2000

S/F/O: Stock/MF Transaction: Buy

Symbol: IBM Shares: 102 Price: 106.50000
IBM International Business Machines Cost: \$10,881.46

Stop: 90.00000 Alert: 95.00000 Stop Expires On: 07/04/2000

Broker: JC3 Commission - per Shr: 0.18098 Lump Sum: 18.46

Limit Alarm: Lower: 92.00000 Upper: 115.00000 ☐ Agy Cr.

Portfolio: NO POSITIONS FOUND
Positions/Stops:

Risk to	Trade	Position
Equity:	2371%	\$1706

Your Current Buying Power is: \$102,375.00
Your New Buying Power Will Be: \$101,975.08
Your Current Portfolio Risk is: 1.11%

Print Submit Cancel

12/28

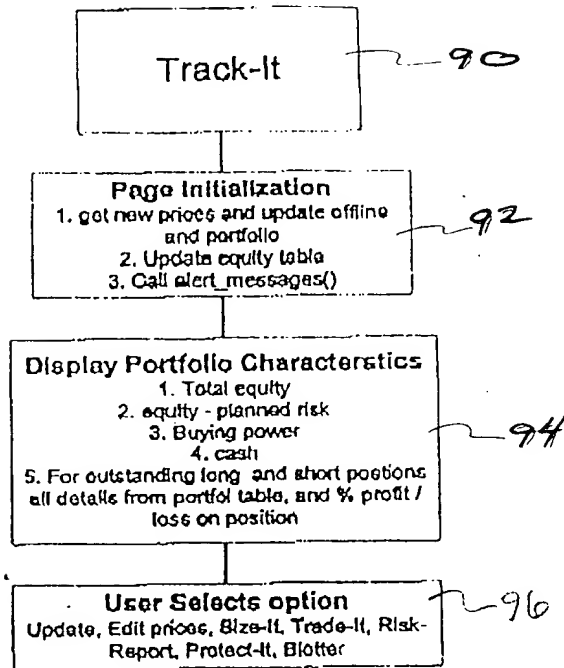


FIG. 12

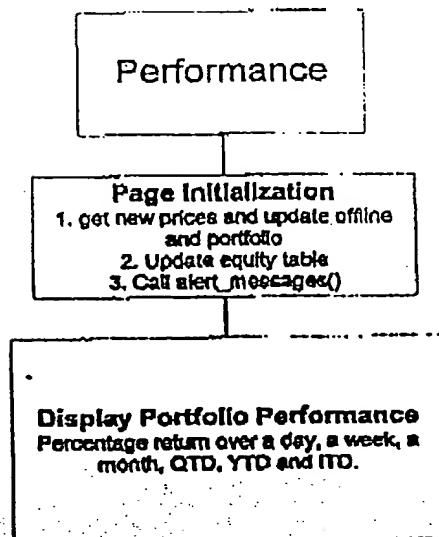
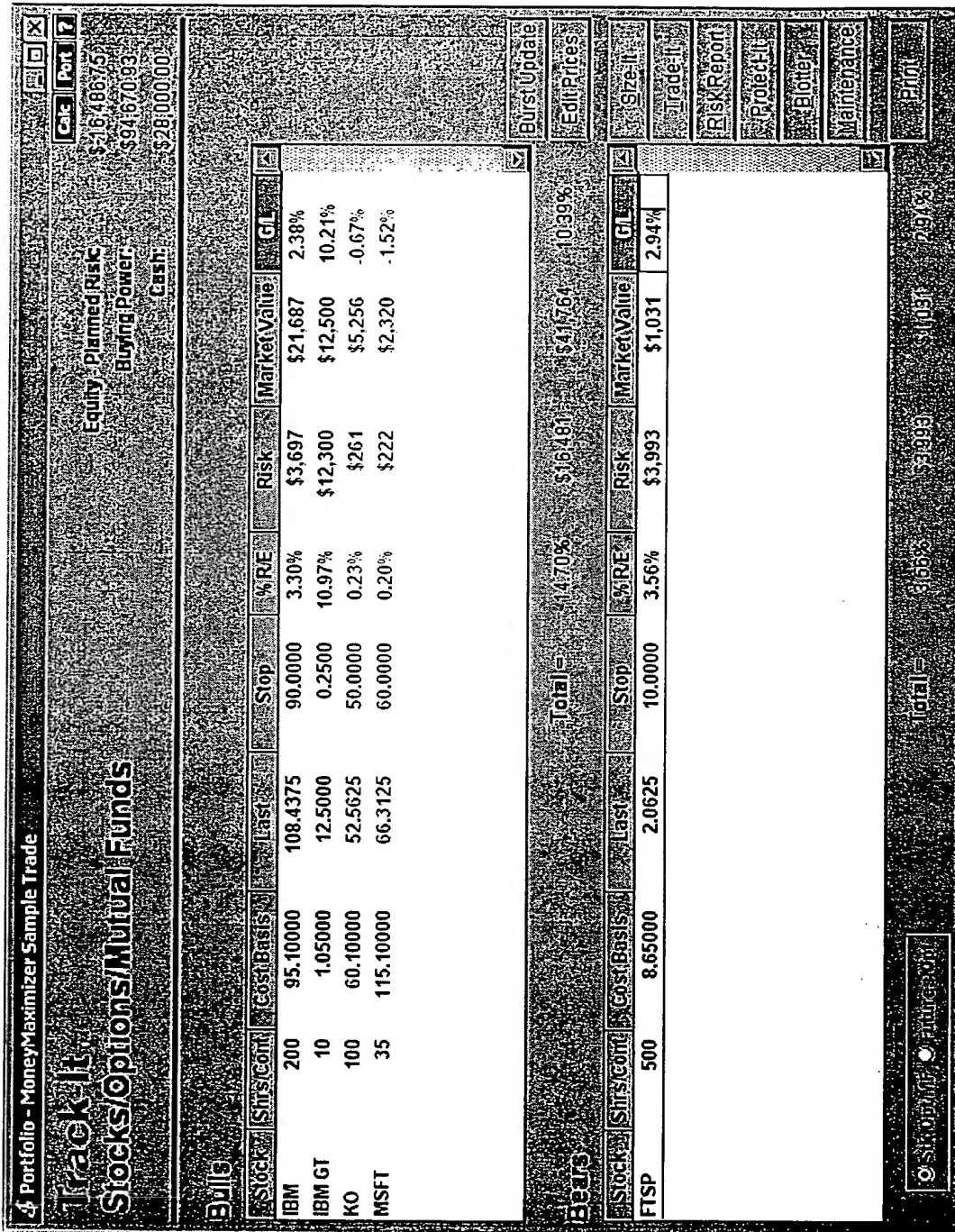


FIG. 17A

Figure 13



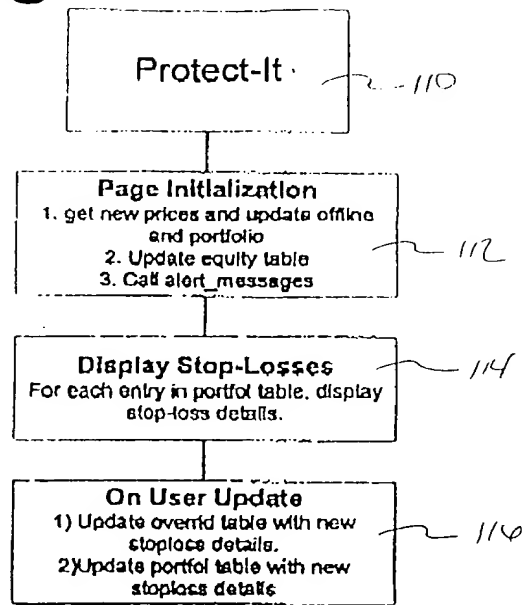


FIG. 14

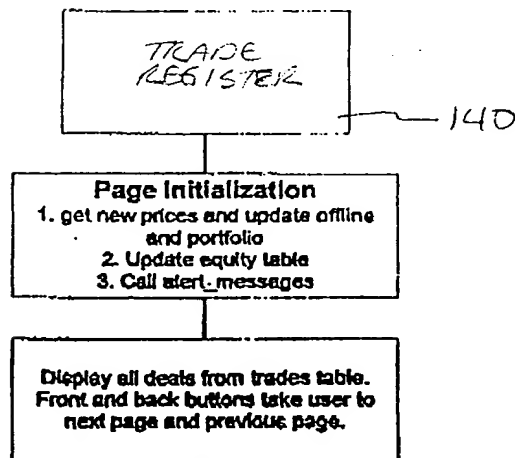


FIG. 19

Figure 15

Stop Reporting - MoneyMaximizer Sample Trade

Protect It To Adjust Stop, Broker or Session on a portfolio position, double click on the stop. Return to your portfolio screen to split a lot. Items in red have expired stops.

Action	Name	Symbol	Shares	Sell Stop	Buy Stop	Broker	Session	Expiry
CVS STOP	First Team Sports Inc	FTSP	500		10,000,000	MENT	REG	01/01/99
SEL STOP	IBM International Business M	IBM	200	30,000,000		MENT	REG	01/01/99
SEL STOP	G Jul - IBM International Busin	IBM GT	10	0,250,000		MENT	REG	01/01/99
SEL STOP	Coca Cola Co	KO	100	50,000,000		MENT	REG	01/01/99
SEL STOP	Microsoft Corp	MSFT	35	60,000,000		MENT	REG	01/02/02

Add Contingent Order **Delete Contingent**

Action	Name	Symbol	Contracts	Sell Stop	Buy Stop	Broker	Session	Expiry
SEL STOP	Crude Oil Light Sweet	@CL.U	1	18,000,000		MENT	REG	01/01/99
SEL STOP	Cotton No. 2	@CT.V	5	72,850,000		MENT	REG	01/01/99
SEL STOP	U.S. Dollar Index (FINEX)	@DX.U	2	92,500,000		MENT	REG	01/01/99
BUY STOP	U.S. Treasury Bond 30 Yr.	@US.U	2		15,000,000	MENT	REG	01/01/99

Double Click on stop to change

Add Contingent Order **Delete Contingent** **Print Report**

Figure 16

Risk Report - MoneyMaximizer Sample Trade				
TOTAL		STOCKS/MF	FUTURES	OPTIONS
Equity-Risk	\$46,233.25			
Planned Risk:	\$8,726.75	\$4,996.75	\$3,730.00	\$0.00
R/E %:	15.88%	9.09%	6.79%	0.00%
Equity:	\$54,960.00	\$54,725.00	\$235.00	
Est. Buying Power:	\$75,775.00			
TRADE DATE BALANCE:		\$28,050.00		
WITHDRAWABLE FUNDS:			\$1,000.00	
ENDING BALANCE:			\$1,000.00	

<< Off Line >>

Print

Figure 17

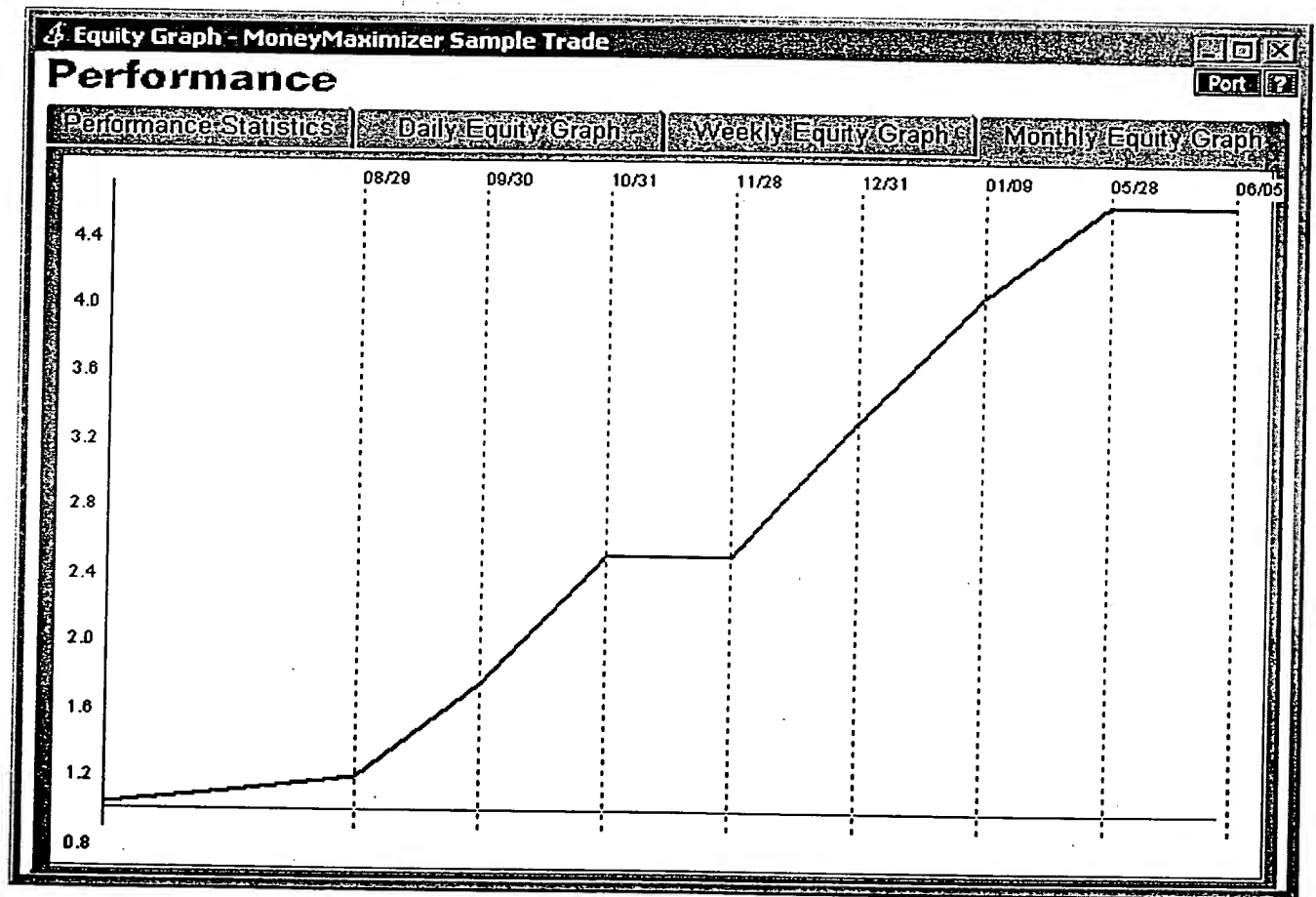


Figure 18

Theoretical Option Price Calculator

Option Type ☒ Stock ☐ Future ☐ Currency ☐ Index

Spot Price Exercise price

Maturity - Month Year -----> Days

Rate Volatility

Index: Name Divisor

To Calculate Implied Volatility, Enter Market Price

Enter Dividends		Call Results	Put Results
		Date	Amount
Enter up to 5 dividends to be paid between now and the maturity date	1	//	0.0000
	2	//	0.0000
	3	//	0.0000
	4	//	0.0000
	5	//	0.0000

[illegible][illegible]

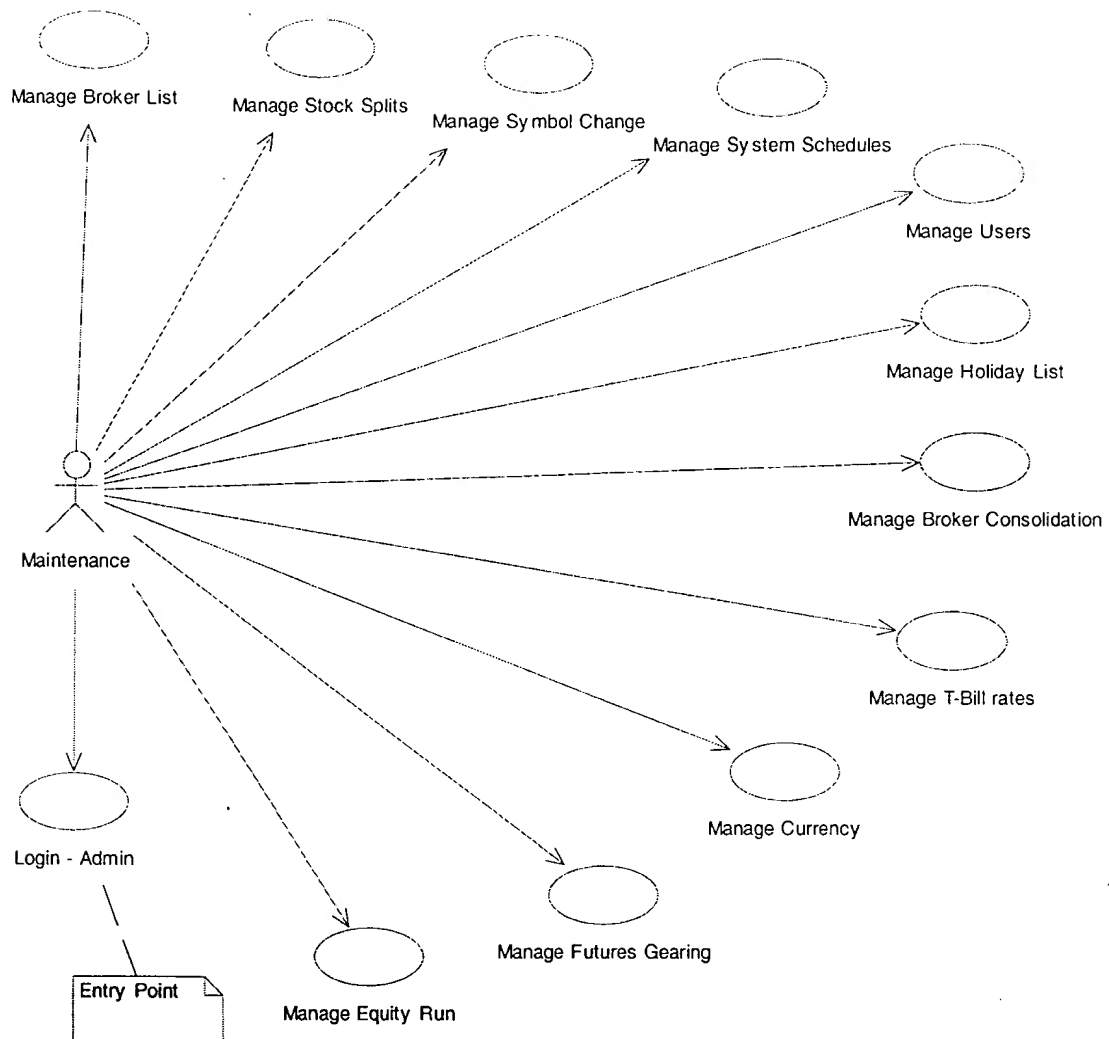


Fig. 2/: Administration and Maintenance Services

```
* corecalc.prg
* Procedure to perform core calculations as needed
* when called, main proc will provide "receptacle" params to be passed back
```

```
PARAMETERS mport,m_mkt,m_risk,mpwr,missue
```

```
* mport = Stock, Future, Option, All, Position
```

```
* m_mkt,m_risk = passback for mktval, risk, power
```

```
* missue = specific position to check (eg: IBM)
```

```
IF mport = "P"    && checking position
```

```
    missue = LEFT(missue+SPACE(10),10)
```

```
ELSE
```

```
    missue = SPACE(10)
```

```
ENDIF
```

```
mselect = SELECT()
```

```
SELECT portfol
```

```
if eof()
```

```
    mProwHold = 0
```

```
else
```

```
    mProwHold = recno()
```

```
endif
```

```
m_smkt = 0
```

```
m_srisk = 0
```

```
m_fmkt = 0
```

```
m_frisk = 0
```

```
m_omkt = 0
```

```
m_orisk = 0
```

```
m_imkt = 0
```

```
m_irisk = 0
```

```
m_long = 0
```

```
m_shorts = 0
```

```
GO TOP
```

Fig. 22

```

DO WHILE .NOT. EOF()
  m_imatch = ( stock = missue )  && .t. or .f. result
  *** These two vars are for individual issue values, rest are sums
  mIsVal = 0
  mIsDolrisk = 0

  DO CASE
  CASE sfo = "S"          JUST STOCKS
    mIsVal = FxConv(shares*last_sale,stock)
    IF portfol->short
      m_smkt = m_smkt - mIsVal
      mIsDolrisk = FxConv(shares*ABS(stop-last_sale) + comm_in*shares,stock)
      m_shorts = m_shorts + mIsVal
    ELSE
      m_smkt = m_smkt + mIsVal
      mIsDolrisk = FxConv(shares*ABS(last_sale-stop) + comm_in*shares,stock)
      m_longgs = m_longgs + mIsVal
    ENDIF

    m_srisk = m_srisk + mIsDolRisk
    IF m_imatch
      m_imkt = m_imkt + mIsVal
      m_irisk = m_irisk + mIsDolrisk
    ENDIF
  CASE sfo = "F"          JUST FUTURES
    IF portfol->short
      mIsVal = FxConv((buy_price-last_sale)*shares*gear,stock)
    ELSE
      mIsVal = FxConv((last_sale-buy_price)*shares*gear,stock)
    ENDIF
    m_fmkt = m_fmkt + mIsVal
    IF portfol->short
      mIsDolrisk = FxConv(shares*ABS(stop-last_sale)*gear +
(comm_in*shares),stock)
      m_frisk = m_frisk + mIsDolrisk
    ELSE
      mIsDolrisk = FxConv(shares*ABS(last_sale-stop)*gear +
(comm_in*shares),stock)
      m_frisk = m_frisk + mIsDolRisk
    ENDIF
    IF m_imatch
      m_imkt = m_imkt + mIsVal
      m_irisk = m_irisk + mIsDolrisk
    ENDIF
  CASE sfo = "O"          JUST OPTIONS
    mIsVal = FxConv(shares*last_sale*100,stock)
    IF portfol->short
      m_omkt = m_omkt - mIsVal
      mIsDolrisk = FxConv(100*shares*ABS(stop-last_sale) + (comm_in*shares),stock)
      m_orisk = m_orisk + mIsDolrisk
      m_shorts = m_shorts + mIsVal
    ELSE
      m_omkt = m_omkt + mIsVal
      mIsDolrisk = FxConv(100*shares*ABS(last_sale-stop) + (comm_in*shares),stock)
      m_orisk = m_orisk + mIsDolrisk
      m_longgs = m_longgs + mIsVal
    ENDIF
    IF m_imatch
      m_imkt = m_imkt + mIsVal
      m_irisk = m_irisk + mIsDolrisk
    ENDIF
  ENDCASE
  SKIP
ENDDO

```

```

DO CASE
CASE mport = "A"      ALL/TOTAL EVERYTHING
    m_mkt = m_smkt + m_fmkt + m_omkt
    m_risk = m_srisk + m_frisk + m_orisk
CASE mport = "S"      JUST STOCKS
    m_mkt = m_smkt
    m_risk = m_srisk
CASE mport = "F"      JUST FUTURES
    m_mkt = m_fmkt
    m_risk = m_frisk
CASE mport = "O"      JUST OPTIONS
    m_mkt = m_omkt
    m_risk = m_orisk
CASE mport = "P"      JUST INDIVIDUAL POSITIONS
    m_mkt = m_imkt
    m_risk = m_irisk
ENDCASE

mpwr = (2*(mtdbalance+mwdbalance+m_longs-m_shorts)) - m_longs - m_shorts

sele portfol
if mProwHold > 0
    goto (mProwHold)
endif
SELECT (mselect)

RETURN

```

Fig. 24

Figure 25

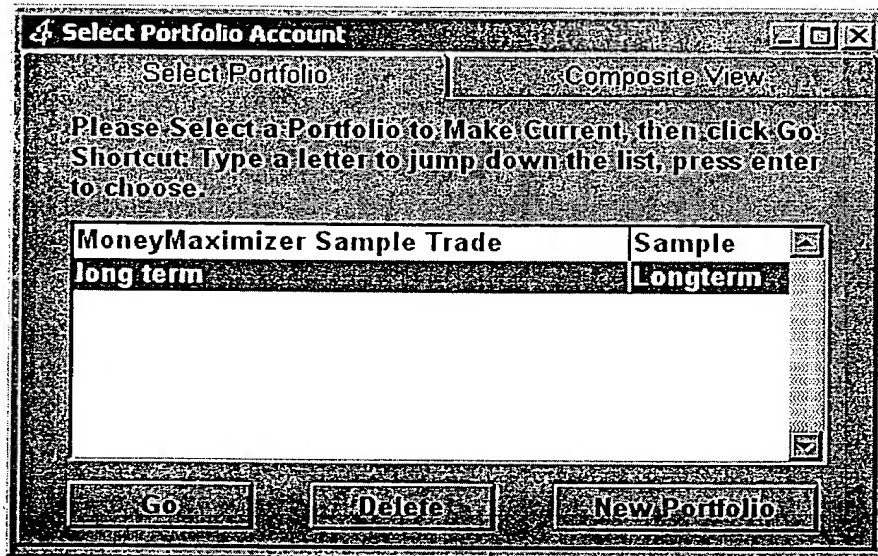


Figure 26

MoneyMaximizer (tm) Portfolio Builder

Portfolio Builder

long term

Please Enter Your Current

Trade Date Balance

Withdrawable Funds

Ending Balance

Finalize **Cancel**

Add a Position

Delete Position

Trade Date	TVS	Type	Symbol	Shs/Contr	Stop	Price	Lump	Comm

Quick Help:

Trade Date Balance represents the trade date cash balance in your equity portfolio.

For more detailed information, click on the red question mark box at the top right corner of this screen. Tip: We suggest that you make a hard copy print of this help and follow along.

Figure 27

4 Edit Offline Prices and Names

Symbols and Prices

Symbol	Last Sale
@CL.U	18.760000
@CT.V	73.150000
@DX.U	93.050000
@US.U	114.500000
FTSP	9.000000
IBM	99.000000
KO	70.000000
MSFT	125.000000

Brokers

Broker	Id
JC3	
MENT	

Names

Fast Search By: ☒ Name ☐ Symbol

Symbol	Name
AT;A	
AT;ABX	
AT;AC	
AT;ADMP	
AT;AEC	
AT;AGEA	
AT;AGR	
AT;AIT	

Delete Name **Done**

Figure 28

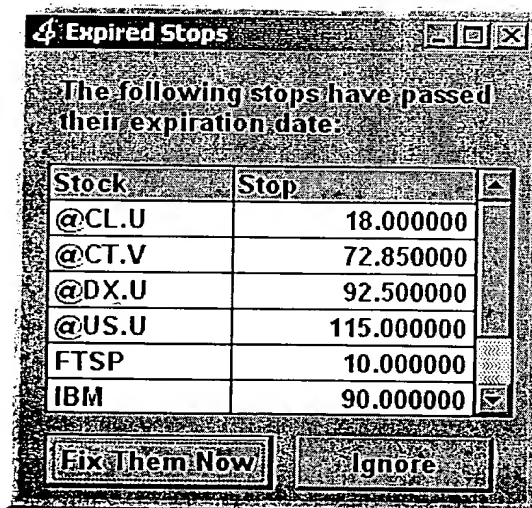


Figure 29

